1–4

22

Caryophyllaceae

0 1 2 3 4 5 6 7 8 9 10
cm
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MO

0 1 2 3 4 5 6 7 8 9 10 cm
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MO

~~231~~ ~~207~~ ~~202~~ ~~342~~ ~~318~~ ~~308~~
~~251~~ ~~269~~ ~~192~~ ~~344~~ ~~304~~ ~~369~~
~~230~~ ~~274~~ ~~225~~ ~~345~~ ~~286~~ ~~370~~
~~245~~ ~~[illegible]~~ ~~228~~ ~~346~~ ~~283~~ ~~381~~
~~237~~ ~~256~~ ~~[illegible]~~ ~~367~~ ~~282~~
~~242~~ ~~362~~ 173 ~~341~~ ~~277~~
~~236~~ ~~[illegible]~~ 150 ~~349~~ ~~221~~
~~268~~ ~~366~~ ~~[illegible]~~ 220 ~~226~~
~~275~~ ~~364~~ ~~325~~ ~~[illegible]~~ ~~329~~

Ausgesetzt

227 · 371
254
284
~~289~~
309
335

Ausgesetzt = Ausgesetzte Pflanzen

237

173 ↑
150 ·

41 Aor

160 Aor ÷ allum

180 30ri dt

40er de alla Trinchera

~~168~~ Polygonella ciliata
164 Plantago aristata (Illinois)
~~151~~ Monarda citriodora
~~144~~ Scutellaria cordifolia
~~142~~ Pentstemon albicans
~~141~~ Eglettes alternans
~~103~~ Gaillardia picta
~~[illegible]~~ Coreopsis Drummondi
241 Gaura parviflora (Nutt)
58 Oenothera Drummondi.
~~39~~ Anagallis parviflora
Mx.

550
460
195
210
4500
80
6000
8
4800

4/180
25
4500

119
41
160

110
44
550

45
15
195

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600 : 120
20
100
5

Epilobium tetragonum L. Spr II, 233
hue: E. trigonum Hoffm. RII, 246
" flavidum Brot.
Chamaenerion obscurum Schreb.

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Europ. et Amer. bor.

F.

0 1 2 3 4 5 6 7 8 9 10
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Krameria lanceolata Torr

Texas 1850

Section of two flowers.

1. common pedunle.
2. Bract.
3 3. lateral bracts or the pedicel
5 coloured sepals
3 unequal petals, claws united
2 lateral glandulous sessile petals
4 united stamens apparently in the same circle with the lateral petals (or even outside of them? at base, though in vernation including them.)
1 free sterile filament generally wanting here only in the second flower
Ovary bicarpellary incomplete placental dissepiment on the upper side, bearing two ovula on its suture.

III vertical Section without and IV same with ovulum
V vertical section displaying the back part of ovary with placenta & 1 or 2 ovula

217

Silene Atocion Targ. *Spr. II, 410*

" orchidea L. suppl.

. . . . .

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Cypros. Asia minor.

H. B. Würzb. 1822

cm 0 1 2 3 4 5 6 7 8 9 10
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Silene Virginica, Pilot Knob Mo May 6 1871

I very young bud, 2 mm long
II larger — 10 " —
III open flower

I

Pollen
x 415

effete anthers

x10

petal

x2

III

section of a spur x10

lower side of petal

ovary

formix

base of petal

x 10

II

x 10

central placenta

upper side of petal x10

flower stiped in calyx
ovary stiped in flower

218

HOELKE BROS.,

[Successors to SAMUEL D. HENDEL,]

Apothecaries & Chemists,

S. W. Corner of 6th and Market Streets,

ST. LOUIS, MO.

℞

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0 cm 1 2 3 4 5 6 7 8 9 10
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Nov. 1868.

219

Dyssodia Coulteri n. sp.

annua, ante erecto dicho.tomo-ramosa plus minus glanduloso-puberula foliis linearibus utrinque acutis, glabris planis, stipulatis, pedicellis calyce multo brevioribus sepalis arcuminatis mucronatis 3 nervis, petalis calyce brevioribus ad unguem bipartitis, lobis lineanbus obtusis; stylo ovario stipitato ovato-globoso, stigmatibus patulis,

A small annual, a few inches high. Mexico Coulter coll 697

Nearly related with *D. nodosa* but distinguished by the erect, not diffuse, petulous branches which are not thickened at base leaves, by the short pedicells, and enclosed petals.

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cm
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July 1848

sepalum

petalum

stamina

ovarium stipitatum

capsule

section

capsule open (3) seeds removed

stamina with their disc

basilar placenta in unripe capsule with a few half grown seeds.

seed

embryo and albumen in sect. of seed

220

section of leaf

Thymaria Endl 5220 Dec I. 395

siffusa Di-

ramis basi bulboso-tuberculatis

Planta annua trichotomo-ramosissima, foliis linearibus v filiformibus - stipulatis

calyce 5phyllo patente, sepalis acuminatis aristatis 3 carinatis nervis

margine recurvatis, petalis calyce exeduplo v adunguem bipartitis, lobis retusis

v paulo emarginatis, oblongo-linearibus, staminibus disco carnoso

5lobo insidentibus, antheris ovatis introrsis dorso affixis,

ovario stipitato ovato globoso, stylo bifurci, brevi longioribus

stigmatibus 3 erectis v. patentibus, ovulis plurimis placentis filiformibus basilaribus affixis, capsula in calyce persistente

clauso duplo inclusa ovata, valvis 3 integris dehiscente. seminibus

plurimis 3 compressis subreniformibus, punctato-asperis.

fuscis. Embryone albumen corneum periphericis cyclico

Cor. quinquefidi ! Germinated from a seed which must have adhered to a carton from there, which I have in Cultivation

over

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Arg. Grey March 1887

? incerta

Arenaria came up in Summer 1849 in a pot, where Cerastium vestitum was planted. This Cerast. was collected near Santa Fe by Dr. Wislizenus in summer 1846 and planted by me in fall 1847. It is probable that the seed adhered to the roots.

221

Perennis, caule flaccido, patulo, nodoso internodiis brevibus minute puberulentibus, foliis oblanceolatis, superioribus canaliculatis, marginibus (et nervo subtus) ciliolatis, pedicellis in dichotomia solitariis internodio longioribus, sepalis ovatis acutis, nervo ~~unico~~ 1- haud herbaceis, ~~margine~~ angusto hyalinis, petalis subinaequalibus, petalis longioribus, stylis 3 (raro 4) capsula 3 valvas, valvis 2 fidis, seminibus tuberculatis asperis ~~fuscis~~ nitentibus.

Stem 4-5 inches long, spreading; with many slender foliaceous branches at base (therefore perennial?) Internodes 3-5 l. long; leaves 6-8 l. long, 1-1½ l. wide; pedicells 3-3½ l. long; flowers about the size and appearance of that of A. capillifolia.

Apparently congener with A. capillifolia = Alsine with 6 valves or = Stellaria with entire petals or = Moehringia with estroplolate seeds.—

Arenaria tinervia is similar with smooth shining, but Strophiolate seeds

Arenaria serpillifolia very similar, but an annual with rough seeds etc

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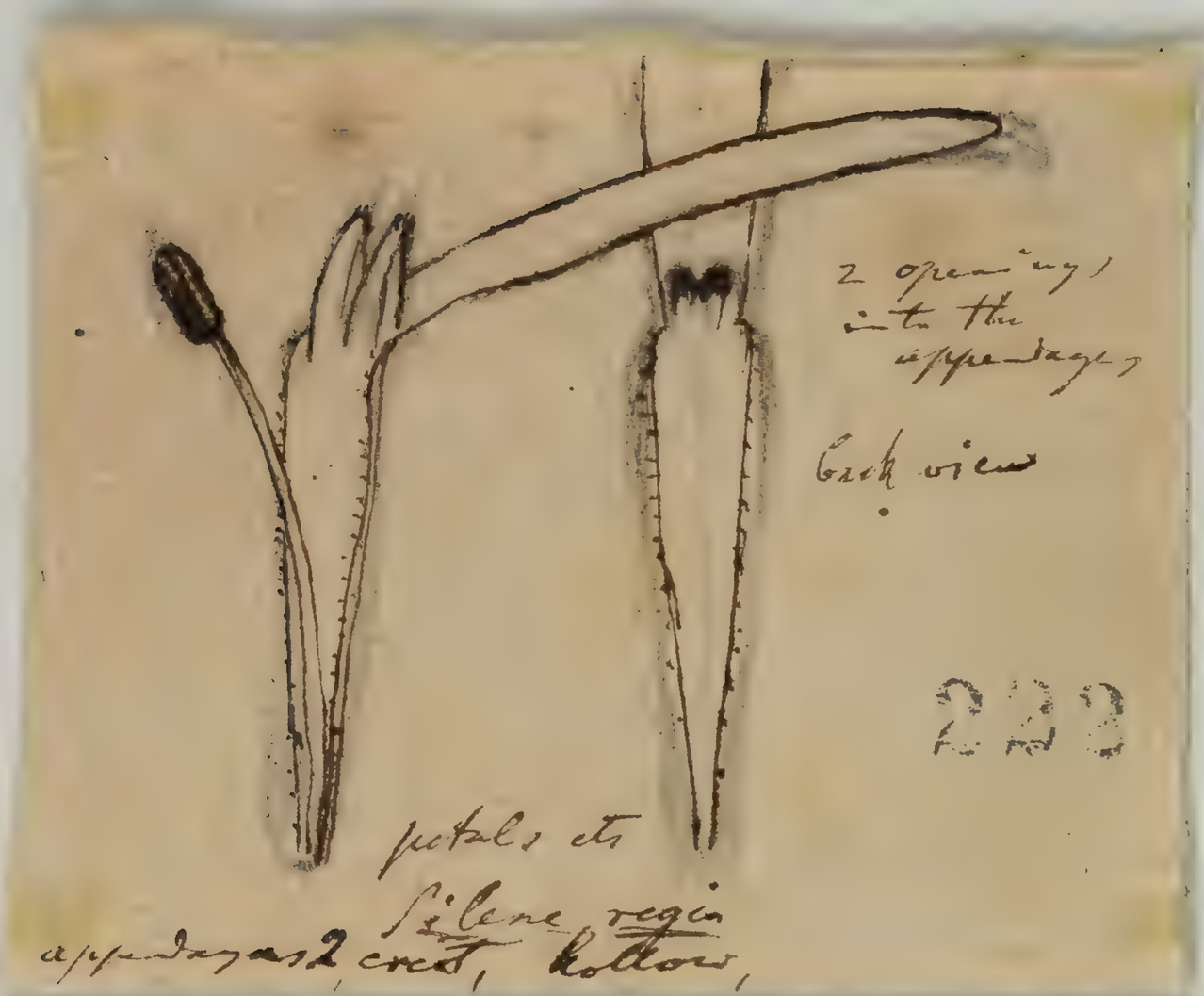
III
15



0 1 2 3 4 5 6 7 8 9 10
cm
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Fr. Adlia
Pennsylvania
1826

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0 1 2 3 4 5 6 7 8 9 10
cm
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Anychia

A. dichotoma Mx ~~et~~ caule retrorsum piloso foliis sessilibus lanceolato ovatis, subcordatis, lanceolato ciliatis, mucronatis, subobtusis; floribus aggregatis sessilibus sepalis trinerviis ~~ovatis~~ cuspidatis, utriculum ~~ovatum~~ sensibus ~~minoribus~~ aequantibus seminibus minoribus

A. capillacea Nutt. caule glabro, foliis omnibus ovato ~~lanceolatis~~ oblanceolatis in basi attenuatis obtusis, glaberrimis; floribus solitariis breviter pedunculatis, sepalis uninerviis obtusis, ~~semoribus majoribus~~ utriculo ~~aequantibus~~ brevioribus, seminibus majoribus.

Seeds as large again as in Dichotoma

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cm
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Stellaria obtusa n sp
Colorado, Boreal Region

Nov 21 1894

224

x 30

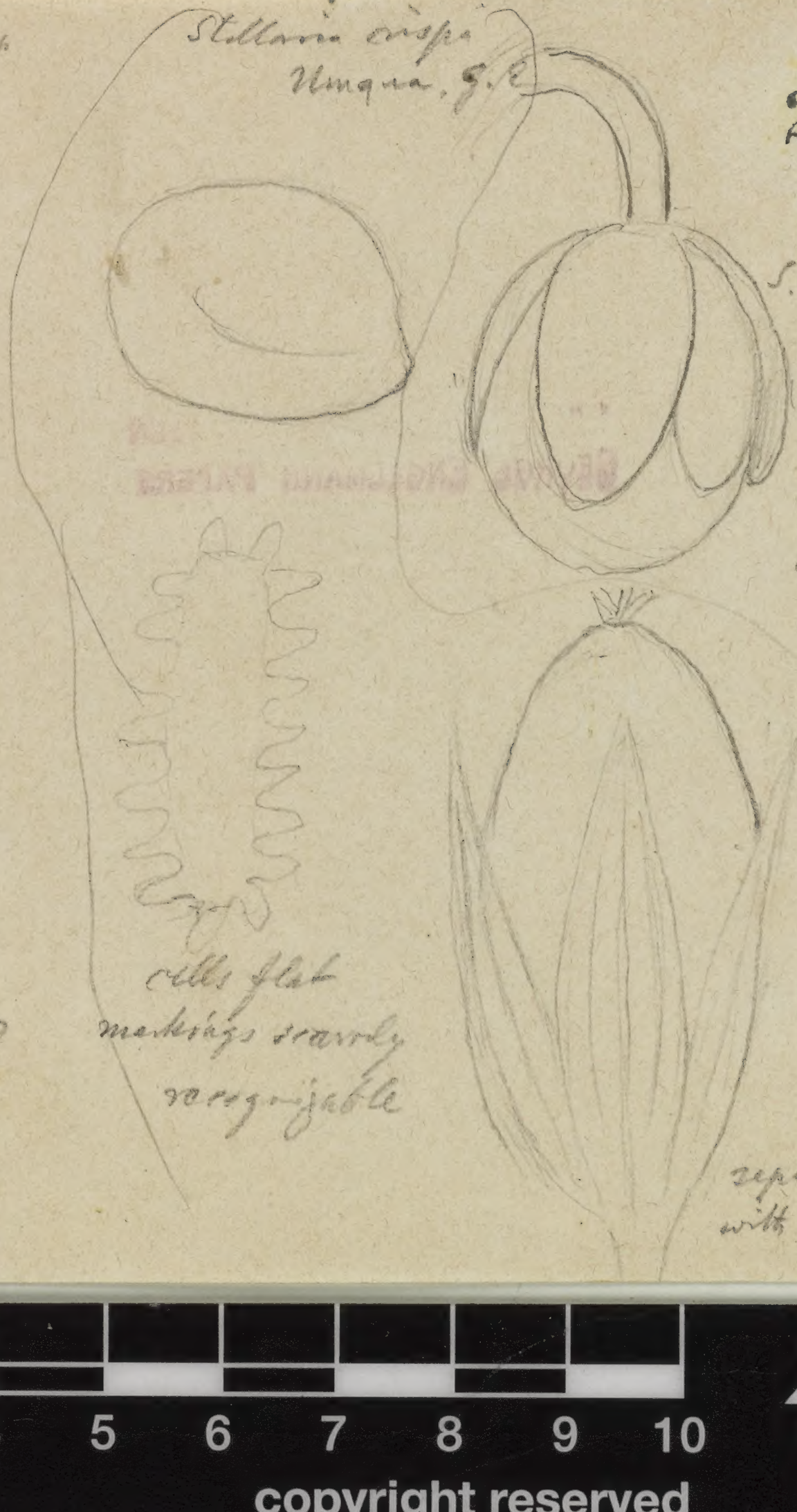
S. obtusa n sp

sepals connected obtuse with fleshy ext or scarcely margined

x 150

cells very prominent strongly dentate even under an ordinary glass

Stellaria crispa
Unqua. S. C.



cells flat markings scarcely recognizable

crispa

sepals 3 nerved acute with membranaceous mar

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cm
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